

"A thing is right when it tends to
preserve integrity and stability and it
is wrong when it tends otherwise."

adapted from Aldo Leopold, famous naturalist





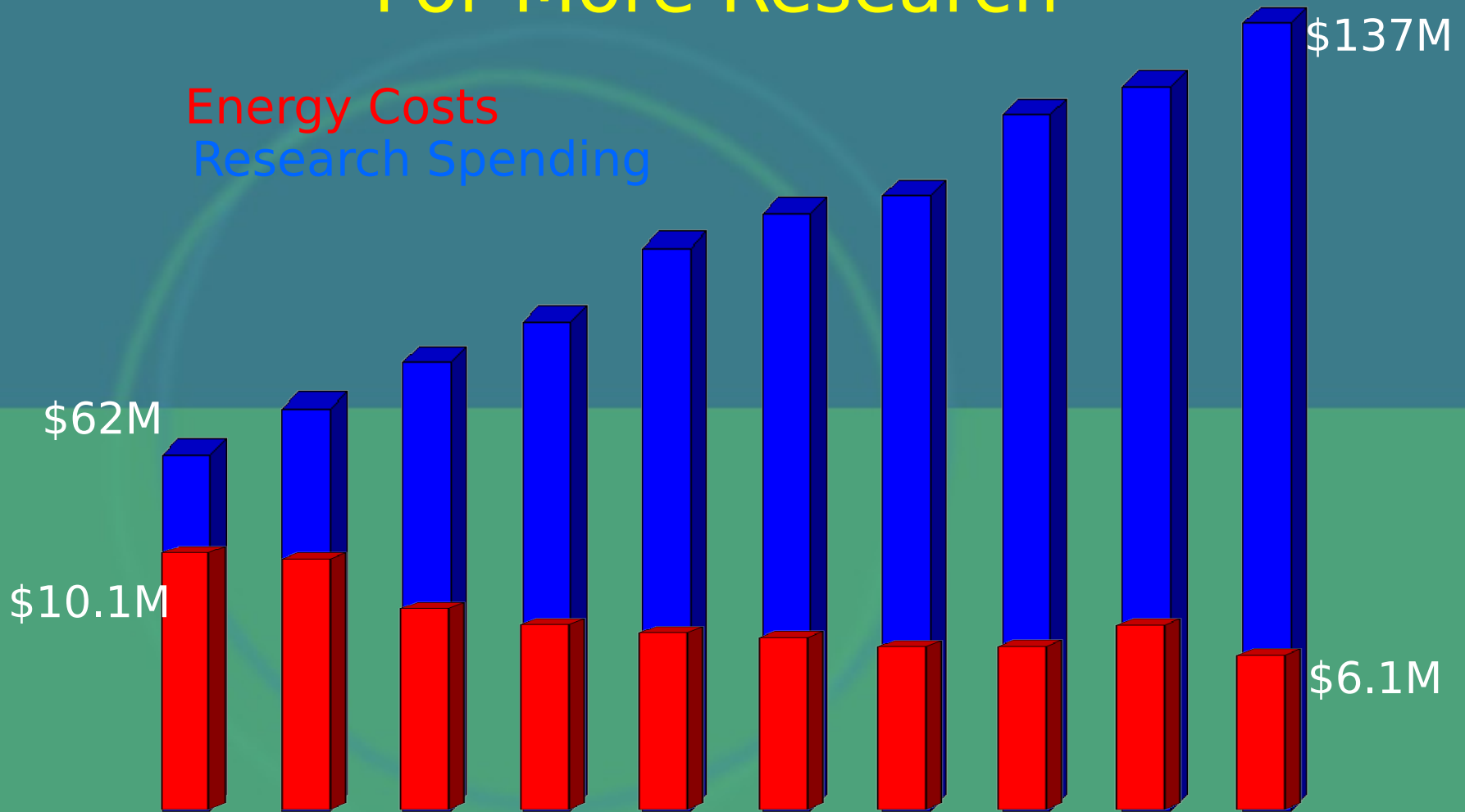
Facilities Should Foster Health
AND Financial Well-Being

FACT:
Buildings can
improve health



Using Less Energy... For More Research

Energy Costs
Research Spending



Progress Made

1980

Cited for poor air quality in existing building

2003

Awarded for sustainability in new building



Financial & Organizational Challenges We Faced

- State Appropriations Reduced by 5%
- Classified staff turn-over reached 29 %
- Competition for students, faculty and staff in the Texas Medical Center was increasing
- UT salaries were non-competitive
- Energy costs were escalating

- The national and state economies were weak
- Greater competition for federal and private research dollars
- The health care system was under national scrutiny and evaluation
- We had a new president



Best practices we developed from a number of sources

- Four Levels
- Continuous Quality Improvement
- Process Action Teams
- Simplification
- Systems Thinking



The Natural Step

Four System Conditions

In a sustainable society, nature is not subject to systematically increasing:

1. concentrations of substances extracted from the earth's crust;
2. concentrations of substances produced by society;
3. degradation by physical means and, in that society. . .
4. human needs are met worldwide.



Initiatives

- Urban Ecology Research Park and Arboretum
- Green Roofs
- Nativescaping
- Vermiculture Program
- Soil Solarization Project



•Energy

- Solar Power
- Wind and Solar Power
- Lighting
- Emergency Exit Lights
- Lighting Ballast Retrofit
- Motion Sensors
- Water Conservation, alternative pest control solutions, more healthful housekeeping solutions and biodegradable foodservice materials



More initiatives . . .

Purchasing

- Flooring
- Carpeting
- Ceiling Tiles
- Waste Minimization Program
- Recycling
- Our Matching Fund Initiative



- Bike Program
- Education, Training, and Community Efforts
- Earth Day
- Global Electric Motorcar (Gem)
- Awards/Grants



Building Costs

The shocking truth:
Only 12% of ownership
costs are in construction



Our Guiding Principles

- Conserve Natural Resources
- Strive for Climate Neutral Building
- Create places for health and well-being while promoting the inalienable rights of people
- Design with flexibility for 100 years of occupancy
- Pursue integrated design solutions
- Promote beauty and pedagogy
- Promote fairness and efficiency in meeting programmatic and human needs



Building Costs

Only 12% are
in construction...

88% are in operation
and maintenance

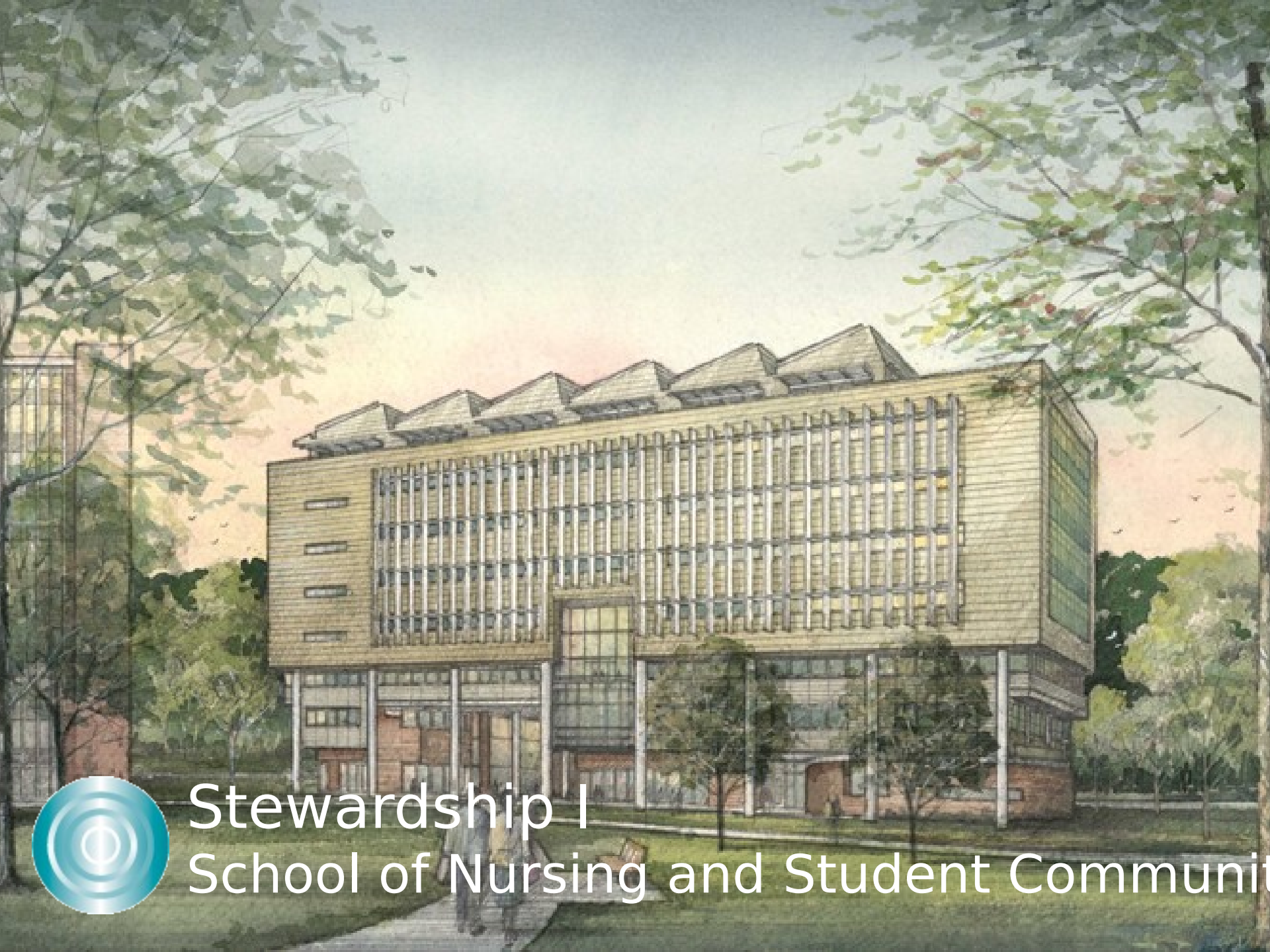


Stewardship I









Stewardship I

School of Nursing and Student Community

LEED

Leadership in Energy and Environmental Design

U.S. Green Building Council
guidelines and rating system





John Knott
Leading Environmental Developer

As Leaders, we must walk
the talk.

...We cannot profess to be genuine
in our aims for health and well
being if we provide service in
facilities that are unhealthy and
economically wasteful...



For a copy of our complete
story, “Our Journey to
Sustainability,”
please contact John Porretto
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